

IN THE  
UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Sean Xiao-An Zhang et al

Confirmation No.: 7078

Application No.: 10/645750

Examiner:  
T.F. Tran

Filing Date: Sept. 21, 2004

Group Art Unit: 2811

Title: E-Field Polarized Materials



Mail Stop Amendment  
Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

This Information Disclosure Statement is submitted:

- ( ) under 37 CFR 1.97(b), or  
(Within three months of filing national application; or date of entry of national application; or before mailing date of first office action on the merits; whichever occurs last)
- (X) under 37 CFR 1.97(c) together with either a:
  - ( ) Statement under 37 CFR 1.97(e), or
  - (X) a \$180.00 fee under 37 CFR 1.17(p), or  
(After the CFR 1.97 (b) time period, but before final action or notice of allowance, whichever occurs first)
- ( ) under 37 CFR 1.97 (d) together with a:
  - ( ) Statement under 37 CFR 1.97(e)(1) or (2), and
  - ( ) a \$180.00 fee set forth in 37 CFR 1.17(p).  
(Filed after final action, a notice of allowance, on or before payment of the issue fee)

Please charge to Deposit Account 08-2025 the sum of \$180.00. At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account 08-2025 pursuant to 37 CFR 1.25.

(X) Applicant(s) submit herewith Form PTO 1449 - Information Disclosure Statement together with any required copies of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56.

( ) A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO Form 1449, as presently understood by the individuals(s) designated in 37 CFR 1.56 (c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action which indicates the degree of relevance found by the foreign office is listed on form PTO 1449 and is enclosed herewith.

It is requested that the information disclosed herein be made of record in this application.

"Express Mail" label no. EV896710068

Date of Deposit Mar. 19 2007

I hereby certify that this is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Patents, Alexandria, VA 22313-1450.

By

Typed Name: L.D. Raphael

Respectfully submitted,

Sean Xiao-An Zhang et al

By

David W. Collins

David W. Collins

Attorney/Agent for Applicant(s)  
Reg. No. 26857

Date: Mar. 19, 2007

Telephone No.: (520) 399-3203

10645750  
082025  
00000079  
03/21/2007 CHUYEN2  
01 FC:1806  
180.00 DA

FORM PTO-1449

ATTY. DOCKET NO.

APPLICATION NO.

CONFIRMATION NO.

200400344-1

10/645,750

7078

LIST OF PATENTS AND PUBLICATIONS FOR  
APPLICANT'S INFORMATION DISCLOSURE  
STATEMENT

(Use several sheets if necessary)

APPLICANT

Sean Xiao-An Zhang et al

FILING DATE

Sept. 21, 2004

GROUP

2811

## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	1A	2004/066677	8 Apr 2004	Zhang et al	
	1B				
	1C				
	1D				
	1E				
	1F				
	1G				
	1H				
	1I				
	1J				
	1K				

## FOREIGN PATENT DOCUMENTS

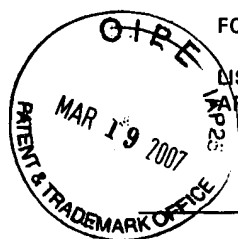
		DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
	1L					
	1M					
	1N					
	1O					
	1P					

## OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

1Q	Martin P. Debreczeny et al, "Optical Control of Photogenerated Ion Pair Lifetimes: An Approach to a Molecular Switch", SCIENCE, Vol. 274, 25 October 1996, pp. 584-587.
1R	Gosztola, David et al, "Picosecond Molecular Switch Based on Bidirectional Inhibition of Photoinduced Electron Transfer Using Photogenerated Electric Fields", J. Am.Chem.Soc, 1998, 120,pp5118-5119.
1S	Metzger, Robert M., "Unimolecular Electrocal Rectification by Hexadecylquinolinium Tricyanoquinodimethanide", Mol. Cryst. and Liq Cryst., 1999, Vol. 337, pp. 37-42.

EXAMINER

DATE CONSIDERED



<b>FORM PTO-1449</b>  <b>LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT</b>  (Use several sheets if necessary)	ATTY. DOCKET NO.	APPLICATION NO.	CONFIRMATION NO.
	<b>200400344-1</b>	<b>10/645,750</b>	<b>7078</b>
	APPLICANT <b>Sean Xiao-An Zhang et al</b>		
	FILING DATE	GROUP	
	<b>Sept. 21, 2004</b>	<b>2811</b>	

## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	1A				
	1B				
	1C				
	1D				
	1E				
	1F				
	1G				
	1H				
	1I				
	1J				
	1K				

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
	1L					
	1M					
	1N					
	1O					
	1P					

## OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

1Q	Martin, A.S. et al, "Molecular Rectifier", Physical Review Letters, 11 January 1993, Volume 70, Number 2, pp. 218-221.
1R	Rettig, W, "Photophysical and Photochemical Switches Based on Twisted Intramolecular Charge Transfer (TICT) States", Applied Physics B/Photophysics & Laser Chemistry, B45 1988 March, No. 3, pp. 145-149
1S	

EXAMINER

DATE CONSIDERED